

# Duty cycle optimization

Three series of constant mass-flow coefficient perturbations were studied, for each of which values of the duty cycle ranged from 10 to 80 %. The results indicate that a better control ...

Structure optimization # The optimization algorithms can be roughly divided into local optimization algorithms which find a nearby local minimum and global optimization algorithms that try to find the global minimum (a much ...

Combined with wind hazard, the rotation cycle counts and amplitudes are obtained from rainflow counting, which result in the joint's lifetime duty cycles. The results highlight the need for consideration of dynamic ...

Invest in cleaning cycle optimization as a structured, documented, and cross-functional initiative. It's a high-impact yet often overlooked area that can yield significant benefits in any regulated ...

Thanks to some very diligent work on optimizing the measurement duty cycle, considerable battery savings were achieved that allowed us to launch the feature as a default-on feature, instead of a "monitoring period." This ...

Two perspectives of the proposed untethered electromagnetic pipe-crawling robot. (a) Exploded views of the individual components in both the CAD model and the actual prototype. (b) The ...

This streamlines processes and allows sales teams to focus on high-value tasks. Faster sales cycles: Optimization allows you to identify bottlenecks in your sales process and correct them before they escalate. Reducing ...

Each step incorporates a distinct set of constraints to enhance realism. Our approach allows the formation of several clusters of driving cycles based on the duty cycles generated with the ABTM.

For people who work the night shift, getting enough high quality sleep can be a significant challenge. Night shifts often interfere with a person's circadian rhythms, the 24-hour cycle that tells the body when it's time to sleep ...



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